

CHA100 Shaft Bushings Installation Instructions

C. Hoelzle Associates, Inc. announces its unique shaft bushings for the Printronix Model P-300/P-150 line printers. These bushings sold under part no. CHA100 are designed to replace the linear bearings in the P-300 bearing blocks. The advantages of the CHA100 include:

1. **Availability** - The manufacturer does not offer replacement bearings as a service spare.
2. **Long Life** - The CHA100 bushing is made from oil impregnated brass, a material which requires no maintenance and will never mar the surface of the shuttle shaft.
3. **Corrective Maintenance** - Because the CHA100 operates with full surface contact, it performs perfectly with shafts that have been moderately scored. This condition, which previously meant shuttle replacement, can easily and economically be corrected by simply installing the CHA100.

Instructions

The CHA100 bushing uses existing printer hardware and demands no modifications to any part of the printer. It is a direct replacement for the existing linear bearing in the bearing block.

1. Carefully remove the shuttle assembly from the printer using the procedure outlined in the Printronix maintenance manual.
2. Remove both bearing blocks from the shuttle assembly. The left side will slide off. To remove the right block, the yoke must be carefully removed. We have developed a yoke removal tool, (the CHA116) to perform this procedure in the field. A dual arm gear puller will also work.

However, if you elect to remove the yoke, **DO NOT TWIST OR POUND ON THE SHAFT!** This could break the shaft off of the shuttle bar.

3. Remove the set screw which holds the internal bearing assembly in place. Gently tap the linear bearing assembly out of the bearing block using a large screwdriver or nut driver. Note the orientation of the split sleeve surrounding the linear bearing; it must be re-installed the same way.
4. Remove the two circlips that hold the linear bearing in the split sleeve and slide out the plastic linear bearing.
5. Clean out the split sleeve and insert the CHA100 bearing into it with the flange oriented inward. Install one of the circlips to hold the CHA100 in place.
6. Insert the bushing assembly into the bearing block, again orienting the flange inward, toward the shuttle body. Make sure that the split in the sleeve is facing down, away from the set screw. Loosely install the set screw to hold the assembly in place.

At this point, verify that the notch in the side of the split sleeve lines up with the hole for the vertical mounting bolt in the bearing block. This will verify that the sleeve is oriented properly.

7. Reassemble the shuttle assembly and install it in the printer following manufacturer's procedure.
8. To adjust the bushing alignment, tighten the bearing block set screw while the shuttle is oscillating, similar to the procedure used in the P-600. **DO NOT** over tighten as this will cause knocking. Use of locktite on the set screw threads is recommended to prevent loosening of adjustment.

9. If you had to remove the yoke assembly, visually verify that the cam follower bearing is tracking properly. You may need to rotate the yoke to achieve true tracking, assuring optimum surface life.

If you need further assistance, please call C. Hoelzle Associates, Inc. and ask for technical support at 714-251-9000.

CHA105 Installation Instructions

C. Hoelzle Associates, Inc. announces the availability of its newly designed paper ironer for the Printronix line printer. It is designed to replace the Printronix Part Numbers 102677-001 and 102677-002.

The advantages of the CHA105 paper ironer include:

1. Durability - The CHA105 is impervious to bending and crimping. Once installed, it will give years of service, even when the operators pull the paper back down through the paper path.
2. Product Enhancement - Applies less pressure to the paper, which will eliminate paper snagging and forms handling problems caused by excessive drag.
3. Cost Differential - The CHA105 costs about 20% less than the manufacturer's part. And because the CHA105 replaces both the 102677-001 and the 102677-002, your sparing requirements are reduced by 50%.

Installation

To install the CHA105 in the P-300, P-600, 300XQ, 6040, 6080, 6240 or 6280, simply follow the procedure for paper ironer replacement in the applicable maintenance manual. The CHA105 is a direct replacement part, no modifications or alterations are necessary.

CHA109 Installation Instructions

1. Remove the control panel assembly completely from the printer following the procedure described in the XQ Series maintenance manuals.
2. Place the entire assembly in any refrigerator freezer compartment for at least one hour. This makes the adhesive brittle. Remove the assembly and without delay, grab a corner of the membrane and peel it off clean leaving only a thin layer of frozen adhesive behind.
3. Carefully remove the paper backing from the inner half of the new membrane assembly. Line it up on the component side of the PCBA and firmly press into place. **It is very important to make sure the membrane is properly aligned before it is pressed into place!** Trying to remove the partially attached membrane will destroy it. One tip is to "lay" the new membrane down starting from one side of the PCBA.
4. Carefully remove the paper backing from the outer half of the membrane assembly. Apply it to the exterior backing plate as described above.
5. Connect the ribbon cable from the membrane to the J2 connector on the PCBA. Re-install the assembly as instructed in the maintenance manuals.